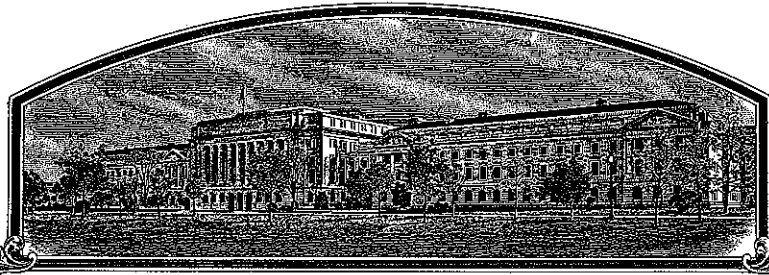


No.

200600057



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Nunhems B V

Whereas, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE FOREGOING PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

LETTUCE

'Multy'

In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this thirtieth day of July, in the year two thousand and eight.

Attest:

Alm Z...

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

Edward V. Schaffer

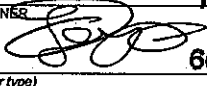
Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF OWNER Nunhems BV		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME Nun 9005 LT	3. VARIETY NAME MULTY
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) PO Box 4005 6080 AA HAELEN The Netherlands		5. TELEPHONE (include area code) +31 475 599 222	FOR OFFICIAL USE ONLY PVPO NUMBER 200600057 FILING DATE December 15, 2005
		6. FAX (include area code) +31 475 599 223	
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) corporation	8. IF INCORPORATED, GIVE STATE OF INCORPORATION	9. DATE OF INCORPORATION	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers)			F E E S R E C E I V E D FILING AND EXAMINATION FEES: \$ 3,652 - 730.- DATE 12/15/05; 12/27/05 CERTIFICATION FEE: \$ 768 - DATE 5/7/2008
11. TELEPHONE (include area code)	12. FAX (include area code)	13. E-MAIL	
14. CROP KIND (Common Name) lettuce	16. FAMILY NAME (Botanical) Lactuca Sativa L.	18. DOES THE VARIETY CONTAIN ANY TRANSGENES? (OPTIONAL) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF SO, PLEASE GIVE THE ASSIGNED USDA-APHIS REFERENCE NUMBER FOR THE APPROVED PETITION TO DEREGULATE THE GENETICALLY MODIFIED PLANT FOR COMMERCIALIZATION.	
15. GENUS AND SPECIES NAME OF CROP	17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
19. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse)		20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? (See Section 83(a) of the Plant Variety Protection Act) <input type="checkbox"/> YES (If "yes", answer items 21 and 22 below) <input checked="" type="checkbox"/> NO (If "no", go to item 23)	
a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) g. <input type="checkbox"/> Filing and Examination Fee (\$3,652), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)		21. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF CLASSES? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, WHICH CLASSES? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED	
23. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)		22. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input type="checkbox"/> NO IF YES, SPECIFY THE NUMBER 1,2,3, etc. FOR EACH CLASS. <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED (If additional explanation is necessary, please use the space indicated on the reverse.)	
24. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)			
25. The owners declare that a viable sample of basic seed of the variety has been furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF OWNER  NUNHEMS BV P.O. Box 4005 6080 AA HAELEN HOLLAND		SIGNATURE OF OWNER	
NAME (Please print or type) Mrs. C. Jeurissen		NAME (Please print or type)	
CAPACITY OR TITLE IP Manager Nunhems BV	DATE December 13, 2005	CAPACITY OR TITLE IP Manager Nunhems BV	DATE

(See reverse for instructions and information collection burden statement)

INSTRUCTIONS

GENERAL: To be effectively filed with the Plant Variety Protection Office (PVPO), ALL of the following items must be received in the PVPO: (1) Completed application form signed by the owner; (2) completed exhibits A, B, C, E; (3) for a seed reproduced variety at least 2,500 viable untreated seeds, for a hybrid variety at least 2,500 untreated seeds of each line necessary to reproduce the variety, or for tuber reproduced varieties verification that a viable (in the sense that it will reproduce an entire plant) tissue culture will be deposited and maintained in an approved public repository; (4) check drawn on a U.S. bank for \$3,652 (\$432 filing fee and \$3,220 examination fee), payable to "Treasurer of the United States" (See Section 97.6 of the Regulations and Rules of Practice.) Partial applications will be held in the PVPO for not more than 90 days, then returned to the applicant as unfilled. Mail application and other requirements to Plant Variety Protection Office, AMS, USDA, Room 401, NAL Building, 10301 Baltimore Avenue, Beltsville, MD 20705-2351. Retain one copy for your files. All items on the face of the application are self explanatory unless noted below. Corrections on the application form and exhibits must be initialed and dated. **DO NOT** use masking materials to make corrections. If a certificate is allowed, you will be requested to send a check payable to "Treasurer of the United States" in the amount of \$432 for issuance of the certificate. Certificates will be issued to owner, not licensee or agent.

Plant Variety Protection Office

Telephone: (301) 504-5518

FAX: (301) 504-5291

Homepage: <http://www.ams.usda.gov/science/pvpo/pvindex.htm>

To avoid conflict with other variety names in use, the applicant must check the appropriate recognized authority and provide evidence that name has been cleared by the appropriate recognized authority before the Certificate of Protection is issued. For example, for agricultural and vegetable crops, contact: Seed Branch, AMS, USDA, 10301 Baltimore Avenue, Suite 401 NAL Building, Beltsville, MD 20705. Telephone: (301) 504-5682 <http://www.ams.usda.gov/lsg/seed.htm>.

ITEM

- 19a. Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) evidence of uniformity and stability; and (4) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified
- 19b. Give a summary of the variety's distinctness. Clearly state how this application variety may be distinguished from all other varieties in the same crop. If the new variety is most similar to one variety or a group of related varieties:
- (1) identify these varieties and state all differences objectively;
 - (2) attach statistical data for characters expressed numerically and demonstrate that these are clear differences; and
 - (3) submit, if helpful, seed and plant specimens or photographs (prints) of seed and plant comparisons which clearly indicate distinctness.
- 19c. Exhibit C forms are available from the PVPO Office for most crops; specify crop kind. Fill in Exhibit C (Objective Description of Variety) form as completely as possible to describe your variety.
- 19d. Optional additional characteristics and/or photographs. Describe any additional characteristics that cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the characteristics that are difficult to describe, such as plant habit, plant color, disease resistance, etc.
- 19e. Section 52(5) of the Act requires applicants to furnish a statement of the basis of the applicant's ownership. An Exhibit E form is available from the PVPO.
20. If "Yes" is specified (seed of this variety be sold by variety name only, as a class of certified seed), the applicant **MAY NOT** reverse this affirmative decision after the variety has been sold and so labeled, the decision published, or the certificate issued. However, if "No" has been specified, the applicant may change the choice. (See Regulations and Rules of Practice, Section 97.103).
23. See Sections 41, 42, and 43 of the Act and Section 97.5 of the regulations for eligibility requirements.
24. See Section 55 of the Act for instructions on claiming the benefit of an earlier filing date.

22. CONTINUED FROM FRONT (Please provide a statement as to the limitation and sequence of generations that may be certified.)

23. CONTINUED FROM FRONT (Please provide the date of first sale, disposition, transfer, or use for each country and the circumstances, if the variety (including any harvested material) or a hybrid produced from this variety has been sold, disposed of, transferred, or used in the U.S. or other countries.)

No sales in the US. First sale other country: United Kingdom: June 1, 2004

24. CONTINUED FROM FRONT (Please give the country, date of filing or issuance, and assigned reference number, if the variety or any component of the variety is protected by intellectual property right (Plant Breeder's Right or Patent).)

Filing date for Community Plant Breeders Right: August 2004; application number: 2004/1497; application still pending

NOTES: It is the responsibility of the applicant/owner to keep the PVPO informed of any changes of address or change of ownership or assignment or owner's representative during the life of the application/certificate. The fees for filing a change of address; owner's representative; ownership or assignment; or any modification of owner's name is specified in Section 97.175 of the regulations. (See Section 101 of the Act, and Sections 97.130, 97.131, 97.175(h) of the Regulations and Rules of Practice.)

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, gender, religion, age, disability, sexual orientation, marital or family status, political beliefs, parental status, or protected genetic information. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410 or call 202-720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

Exhibit A:**Origin and Breeding History**Variety: ~~Nun 9005 LT~~

Multy

Origin: The variety originates from a cross between two internal parent lines, which belong to our company. The mother was a F3 from a cross between Azura and Novita, which are both varieties which belong to our company. The father was a F4 from a cross between our variety Maserati and free variety Salad bowl.

The plant type of Nun 9005 LT is completely different than the plant type of Azura and Novita, which belong to the curly lettuce type. The single leaves of Nun 9005 LT are narrower than the leaves of Novita, Azura, Maserati and Salad Bowl. Also the leaf margin of Nun 9005 LT is more dented compared to Novita, Azura, Maserati and Salad Bowl. Nun 9005 LT differs from Maserati with regard to the color. Maserati has red color, which is also different from Nun 9005 LT is green. We have sent pictures from Novita, Salad Bowl and Nun 9005 LT, on which the differences are visible. We have no picture of Azura, but Azura looks like Novita.

The F1 plants from this cross were self-pollinated. The plants from the second to the sixth generation were selected using pedigree selection. The plants were selected visually on characters as leaf thickness, leaf shape, one cut ready, color and tipburn. The plants were also selected based on resistances against *Bremia lactuca* (all European isolates) using disease tests.

Nun 9005 LT has been observed for three generations of reproduction and during the seed increase period and is stable and uniform. Nun 9005 LT is uniform for all traits as described in Exhibit C (Objective Description of Variety).

No variants have been observed in Nun 9005 LT.

Exhibit B:**Statement of Distinctness**

muty
4/21/08
Variety Nun 9005-LT is most similar to Tarragona and Grand rapids. Nun 9005 LT differs from Tarragona and Grand Rapids in the length/width index of the fourth leaf. The value of Nun 9005 LT for this ratio is 12 (see Exhibit C, reported by the NAK-t) whereas the value of Tarragona and Grand Rapids is 21.

Nun 9005 LT differs also from Grand Rapids with regard to the green color of the mature leaves. Nun 9005 LT has dark green leaves, whereas Grand Rapids has light green leaves (see Exhibit C, reported by the NAK-t). Also the blistering of the mature leaves of Nun 9005 LT and Grand rapids differs. The mature leaves of Grand Rapids blister moderately, whereas the leaves of Nun 9005 LT show absent/slight blistering.

Also the fourth leaf apical margin of Nun 9005 LT and Tarragona differ. The apical margin of Nun 9005 LT are moderately dentate, whereas the apical margin of Tarragona was scored coarsely dentate.

According to Exhibit C, reported by the NAK-t, Nun 9005 LT and Tarragona differ in bolting. Nun 9005 LT was classified slow bolting (class 2), whereas Tarragona was classified as rapid bolting (class 4).

Nun 9005 LT is resistant to the European *Bremia lactucae* isolates BL:18, Bl:20, Bl:21, Bl:22, Bl:24 and Bl:25, whereas Tarragona and Grand Rapids are susceptible for these *Bremia* isolates. This was proved in two different disease tests that were performed on our company. Tarragona and Grand Rapids were scored susceptible in both disease tests, whereas Nun 9005 LT has been observed resistant to these isolates in two disease tests. These results are presented in Table 1.

Table 1. Two different downy mildew disease tests per variety with the isolates BL:18, Bl:20, Bl:21, Bl:22, Bl:24 and Bl:25.

test number	Variety	Downy mildew isolate					
		Bl:18	Bl:20	Bl:21	Bl:22	Bl:24	Bl:25
51-218124	Tarragona	+	+	+	+	+	+
51-225401	Tarragona	+	+	+	+	+	+
51-247635	Grand Rapids	+	+	+	+	+	+
51-253756	Grand Rapids	+	+	+	+	+	+
51-226644	Nun 9005 LT	-	-	-	-	-	-
51-253390	Nun 9005 LT	-	-	-	-	-	-

+ scored susceptible

- scored resistant

REPRODUCE LOCALLY. Include form number and date on all reproductions.

Exhibit C (Lettuce)
Form Approved OMB NO 0581-0055

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 1.4 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705

Exhibit C

OBJECTIVE DESCRIPTION OF VARIETY
Lettuce (*Lactuca sativa* L.)

NAME OF APPLICANT (S) <u>Nunhems BV</u>	TEMPORARY OR EXPERIMENTAL DESIGNATION <u>Nun goos LT</u>	VARIETY NAME <u>Multy</u>
ADDRESS (Street and No. or RD No., City, State, Zip Code, and Country) <u>P.O. Box 4005</u> <u>6600 AA Haalen, the Netherlands</u>		PVPO NUMBER <u>#200600057</u> <u>200600057</u>

Place the appropriate number that describes the varietal character in the boxes below. Place a zero in the first box (e.g. or) when number is either 99 or less or 9 or less. Measured data should be the mean of an appropriate number (at least 20) of well space plants. Royal Horticultural Society or any recognized color standard may be used to determine plant colors.

The Location of the Test Area is:

Wageningen, the Netherlands

Color System Used:

SPECIFIC VARIETIES USED FOR COMPARISON AS CHECK VARIETIES IN THIS APPLICATION: Use standard regional check varieties, which are adapted to your area. One of the comparison varieties must be the most similar variety used in Exhibit B.

Application Variety (a1) Multy Most Similar Variety (c1) Tazzagona

Standard Regional Check Variety (c2) Grand Rapids

1. PLANT TYPE: (See List of Suggested Check Varieties on Page 8)

<input type="radio"/> 01 = Cutting/Leaf 02 = Butterhead 03 = Bibb	04 = Cos or Romaine 05 = Great Lakes Group 06 = Vanguard Group	07 = Salinas Group 08 = Eastern (Ithaca) Group 09 = Stem	10 = Latin 11 = Other (Specify) _____
(a1) <input type="text" value="0"/> <input type="text" value="1"/>	(c1) <input type="text" value="0"/> <input type="text" value="1"/>	(c2) <input type="text" value="0"/> <input type="text" value="1"/>	

2. SEED:

(a1) <input type="text" value="2"/> } COLOR 1 = White (Silver Gray) 2 = Black (Grey Brown) 3 = Brown (Amber)	(a1) <input type="text" value="1"/> } LIGHT DORMANCY 1 = Light Required 2 = Light Not Required	(a1) <input type="text" value="1"/> } HEAT DORMANCY 1 = Susceptible 2 = Not Susceptible
(c1) <input type="text" value="2"/>	(c1) <input type="text" value="1"/>	(c1) <input type="text" value="1"/>
(c2) <input type="text" value="2"/>	(c2) <input type="text" value="1"/>	(c2) <input type="text" value="1"/>

3. COTYLEDON TO FOURTH LEAF STAGE: NOTE: Provide a color photograph or photocopy of the fourth leaf from 20 day-old seedling grown under optimal conditions.

SHAPE OF COTYLEDONS: 1 = Broad

2 = Intermediate

3 = Spatulate

(a1)

(c1) to 1

(c2)

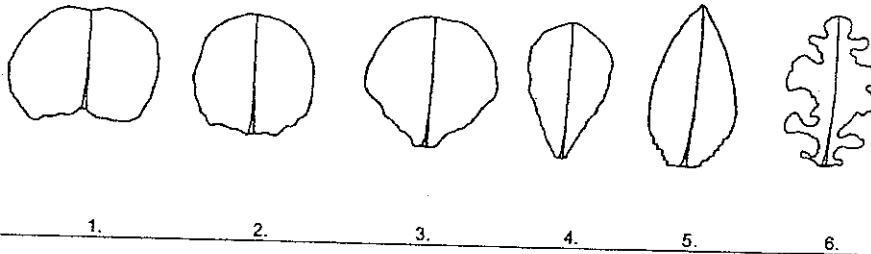
SHAPE OF FOURTH LEAF:

(a1)

(c1)

(c2)

3. COTYLEDON TO FOURTH LEAF STAGE: (continued)



LENGTH/WIDTH INDEX OF FOURTH LEAF: L/W x 10

(a1) 12

(c1) 21

(c2) 21

APICAL MARGIN:

1 = Entire
2 = Crenate/Gnawed
3 = Finely Dentate

4 = Moderately Dentate
5 = Coarsely Dentate
6 = Incised

7 = Lobed
8 = Other (Specify) _____

(a1) 4

(c1) 5

(c2) 5

BASAL MARGIN: (Use the options for Apical Margin above)

(a1) 4

(c1) 5

(c2) 5

UNDULATION:

1 = Flat

2 = Slight

3 = Medium

4 = Marked

(a1) 2

(c1) 2 to 1

(c2) 3

GREEN COLOR:

1 = Yellow Green
2 = Light Green

3 = Medium Green
4 = Dark Green

5 = Blue Green
6 = Silver Green

7 = Grey Green

(a1) 3

(c1) 3 to 4

(c2) 2

ANTHOCYANIN:

DISTRIBUTION:

1 = Absent
2 = Margin Only

3 = Spotted
4 = Throughout

5 = Other (Specify) _____

(a1) 1

(c1) 1

(c2) 1

CONCENTRATION:

1 = Light

2 = Moderate

3 = Intense

(a1) 1

(c1) 1

(c2) 1

ROLLING:

1 = Absent

2 = Present

(a1) 2

(c1) 2

(c2) 2

CUPPING:

1 = Uncupped

2 = Slight

3 = Markedly

(a1) 2

(c1) 1

(c2) 1

REFLEXING:

1 = None

2 = Apical Margin

3 = Lateral Margins

(a1) 2

(c1) 2

(c2) 2

4. MATURE LEAVES (Observe Harvest-Mature Outer Leaves)

NOTE: Provide color photo of a harvest-mature leaf which accurately shows color and margin characteristics.

MARGIN:**INCISION DEPTH:**
(deepest penetration
of the margin)

1 = Absent/Shallow (Dark Green Boston)

2 = Moderate (Vanguard)

3 = Deep (Great Lakes 659)

(a1) 3(c1) 3(c2) 2**INDENTATION:** (Finest divisions of the margin)

1 = Entire (Dark Green Boston)

4 = Crenate (Vanguard)

2 = Shallowly Dentate (Great Lakes 65)

5 = Other (Specify) _____

3 = Deeply Dentate (Great Lakes 659)

(a1) 2(c1) 2(c2) 2**UNDULATIONS OF THE
APICAL MARGIN:**

1 = Absent/Slight (Dark Green Boston)

2 = Moderate (Vanguard)

3 = Strong (Great Lakes 659)

(a1) 2(c1) 2(c2) 2**GREEN COLOR:**

1 = Very Light Green (Bibb)

3 = Medium Green (Great Lakes)

5 = Very Dark Green

2 = Light Green (Minetto)

4 = Dark Green (Vanguard)

6 = Other (Specify) _____

(a1) 4(c1) 4(c2) 2**ANTHOCYANIN:****DISTRIBUTION:**

1 = Absent

3 = Spotted (California Cream Butter)

5 = Other (Specify) _____

2 = Margin Only (Big Boston)

4 = Throughout (Prize Head)

(a1) 1(c1) 1(c2) 1**CONCENTRATION:**

1 = Light (Iceberg)

2 = Moderate (Prize Head)

3 = Intense (Ruby)

(a1) -(c1) -(c2) -**SIZE:**

1 = Small

2 = Medium

3 = Large

(a1) 2(c1) 2(c2) 2**GLOSSINESS:**

1 = Dull (Vanguard)

2 = Moderate (Salinas)

3 = Glossy (Great Lakes)

(a1) 02(c1) 02(c2) 02**BLISTERING:**1 = Absent/Slight
(Salinas)2 = Moderate
(Vanguard)3 = Strong
(Prize Head)(a1) 01(c1) 01(c2) 02**LEAF THICKNESS:**

1 = Thin

2 = Intermediate

3 = Thick

(a1) 02(c1) 02(c2) 02**TRICHOMES:**

1 = Absent (Smooth)

2 = Present (Spiny)

(a1) 01(c1) 01(c2) 01**5. PLANT:****SPREAD OF FRAME LEAVES:**(a1) 28 cm(c1) 34 cm(c2) 33 cm

5. PLANT: (continued)

HEAD DIAMETER: (Market Trimmed with Single Cap Leaf)

(a1) 28 cm

(c1) 34 cm

(c2) 33 cm

HEAD SHAPE:

1 = Flattened

2 = Slightly Flattened

3 = Spherical

4 = Elongate

5 = Non-Heading

6 = Other (Specify) _____

(a1) 05

(c1) 05

(c2) 05

HEAD SIZE CLASS:

1 = Small

2 = Medium

3 = Large

(a1) 02

(c1) 02

(c2) 02

HEAD PER CARTON:

(a1) 1

(c1) 1

(c2) 1

HEAD WEIGHT:



(a1) 0864 g.

(c1) 1257 g.

(c2) 1667 g.

HEAD FIRMNESS:

1 = Loose

2 = Moderate

3 = Firm

4 = Very Firm

(a1) 2

(c1) 2

(c2) 1 to 2

6. BUTT:

SHAPE:

1 = Slightly Concave

2 = Flat

3 = Rounded

(a1) 3

(c1) 2 to 3

(c2) 3

MIDRIB:

1 = Flattened (Salinas)

2 = Moderately Raised

3 = Prominently Raised (Great Lakes 659)

(a1) 2

(c1) 2 to 1

(c2) 3

7. CORE:

DIAMETER AT BASE OF HEAD:

(a1) 25 mm

(c1) 36 mm

(c2) 39 mm

RATIO OF HEAD DIAMETER/CORE DIAMETER:

(a1) 11.0

(c1) 09.6

(c2) 08.6

CORE HEIGHT FROM BASE OF HEAD TO APEX:

(a1) 44 mm

(c1) 47 mm

(c2) 56 mm

8. BOLTING: (Give First Water Date: March 27, 2007) NOTE: First Water Date is the date seed first receives adequate moisture to germinate. This can and often does equal the planting date.

NUMBER OF DAYS FROM FIRST WATER DATE TO SEED STALK EMERGENCE: (summer conditions)

(a1) 146

(c1) 119

(c2) 134

BOLTING CLASS:

1 = Very Slow

2 = Slow

3 = Medium

4 = Rapid

5 = Very Rapid

(a1) 2

(c1) 4

(c2) 3

HEIGHT OF MATURE SEED STALK:

(a1) 071 cm

(c1) 123 cm

(c2) 071 cm

8. BOLTING: (continued)

SPREAD OF BOLTER PLANT: (At widest point)

(a1) 25 cm

(c1) 52 cm

(c2) 21 cm

BOLTER LEAVES: 1 = Straight 2 = Curved

(a1) 2

(c1) 2

(c2) 2

MARGIN: 1 = Entire 2 = Dentate

(a1) 2

(c1) 2

(c2) 2

COLOR: 1 = Light Green 2 = Medium Green 3 = Dark Green

(a1) 3

(c1) 3

(c2) 1

BOLTER HABIT:

TERMINAL INFLORESCENCE: 1 = Absent 2 = Present

(a1) 2

(c1) 2

(c2) 2

LATERAL SHOOTS:

1 = Absent 2 = Present

(a1) 2

(c1) 2

(c2) 2

BASAL SIDE SHOOTS:

1 = Absent 2 = Present

(a1) 2

(c1) 2

(c2) 2

9. MATURITY: (earliness of harvest-mature head formation)

NOTE: Complete this section for at least one season.

SEASON	APPLICATION VARIETY No. of Days ¹		MOST SIMILAR VARIETY No. of Days ¹		STANDARD REGIONAL CHECK VARIETY No. of Days ¹	
Spring		112		112		112
Summer						
Fall						
Winter						

1st Water Date to Harvest

Give Planting Date(s) and Location(s):

Spring: April 24, 2007; Wageningen, the Netherlands

Summer: _____

Fall: _____

Winter: _____

10. ADAPTATION:

PRIMARY REGIONS OF ADAPTATION (tested and proven adapted):

0 = Not Tested 1 = Not Adapted 2 = Adapted

2 Southwest (CA and/or AZ desert)

2 West Coast

0 Northeast

0 North Central

0 Southeast

Other (Specify) _____

10. ADAPTATION: (Continued)

SEASON:

☒ Spring (Area CA)☒ Summer (Area CA)☒ Fall (Area CA)☒ Winter (Area AZ desert)☐

GREENHOUSE: 0 = Not Tested

1 = Not Adapted

2 = Adapted

☐

SOIL TYPE: 1 = Mineral

2 = Organic

3 = Both

11. VIRAL DISEASES:

1 = Immune

3 = Resistant

5 = Moderately Resistant/Moderately Susceptible

7 = Susceptible

9 = Highly Susceptible

Big Vein

(a1) 5(c1) ☐(c2) ☐

Lettuce Mosaic

(a1) 7(c1) ☐(c2) ☐

Cucumber Mosaic

(a1) 7(c1) ☐(c2) ☐

Tomato Bushy Stunt, cause of dieback

(a1) ☐(c1) ☐(c2) ☐☐ Turnip Mosaic(a1) ☐(c1) ☐(c2) ☐

Beet Western Yellows

(a1) ☐(c1) ☐(c2) ☐

Lettuce Infectious Yellows

(a1) ☐(c1) ☐(c2) ☐

Other (Specify) _____

(a1) ☐(c1) ☐(c2) ☐

12. FUNGAL/BACTERIAL DISEASES:

1 = Immune

3 = Resistant

5 = Moderately Resistant/Moderately Susceptible

7 = Susceptible

9 = Highly Susceptible

Corky Root Rot
(Races: _____)(a1) 7(c1) ☐(c2) ☐

Downy Mildew

(Races: 1, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13)(a1) 3(c1) ☐(c2) ☐

Powdery Mildew

(Races: 14, 15, 16, 17, 18, 19, 20, 21)(a1) 7(c1) ☐(c2) ☐

Sclerotinia Drop

(Races: 22, 23, 24 and 25)(a1) 7(c1) ☐(c2) ☐

Bacterial Soft Rot

(Pseudomonas spp. and others)

(a1) 7(c1) ☐(c2) ☐☐ Botrytis (Grey Mold)(a1) 7(c1) ☐(c2) ☐

Verticillium Wilt

(a1) 7(c1) ☐(c2) ☐

Bacterial Leaf Spot

(a1) 7(c1) ☐(c2) ☐

Anthracnose

(a1) 7(c1) ☐(c2) ☐

Other (Specify) _____

(a1) 7(c1) ☐(c2) ☐

13. INSECTS:

1 = Immune

3 = Resistant

5 = Moderately Resistant/Moderately Susceptible

7 = Susceptible

9 = Highly Susceptible

Cabbage Loopers

(a1) 7(c1) ☐(c2) ☐

Root Aphids

(a1) 7(c1) ☐(c2) ☐

Green Peach Aphid

(a1) 7(c1) ☐(c2) ☐

Lettuce Aphid

(a1) 7(c1) ☐(c2) ☐

Pea Leafminer

(a1) 7(c1) ☐(c2) ☐

Other (Specify) _____

(a1) 7(c1) ☐(c2) ☐

14. PHYSIOLOGICAL STRESSES:

1 = Immune

3 = Resistant

5 = Moderately Resistant/Moderately Susceptible

7 = Susceptible

9 = Highly Susceptible

Tipburn

(a1)

5

(c1)

☐

(c2)

☐

Heat

(a1)

5

(c1)

☐

(c2)

☐

Drought

(a1)

5

(c1)

☐

(c2)

☐

Cold

(a1)

5

(c1)

☐

(c2)

☐

Salt

(a1)

5

(c1)

☐

(c2)

☐

Brown Rib

(a1)

5

(c1)

☐

(c2)

☐

(Rib Discoloration, Rib Blight)

Other (Specify) _____

(a1)

☐

(c1)

☐

(c2)

☐

15. POST HARVEST STRESS:

1 = Immune

3 = Resistant

5 = Moderately Resistant/Moderately Susceptible

7 = Susceptible

9 = Highly Susceptible

Pink Rib

(a1)

5

(c1)

☐

(c2)

☐☐ Russet Spotting

(a1)

☐

(c1)

☐

(c2)

☐

Rusty Brown Discoloration

(a1)

☐

(c1)

☐

(c2)

☐

Internal Rib Necrosis

(a1)

☐

(c1)

☐

(c2)

☐

(Blackheart, Grey Rib, Grey Streak)

Brown Stain

(a1)

☐

(c1)

☐

(c2)

☐

16. BIOCHEMICAL OR ELECTROPHORETIC MARKERS:

☐ COMMENTS:

SUGGESTED CHECK VARIETIES

TYPE	CHECK VARIETY
1 Cutting/Leaf	Waldmann's Green
2 Butterhead	Dark Green Boston
3 Bibb	Bibb
4 Cos or Romain	Parris Island
5 Great Lakes Group	Great Lakes 659-700
6 Vanguard Group	Vanguard
7 Salinas Group	Salinas
8 Eastern Group	Ithaca
9 Stem	Celtuce
10 Latin	Little Gem

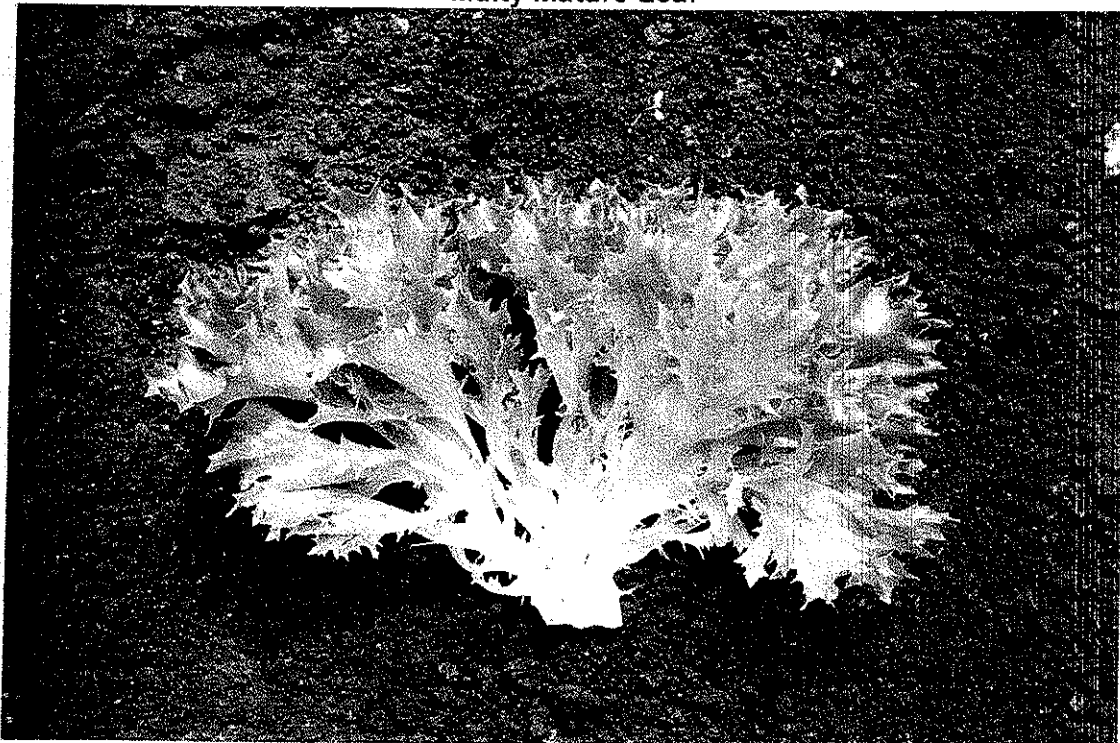
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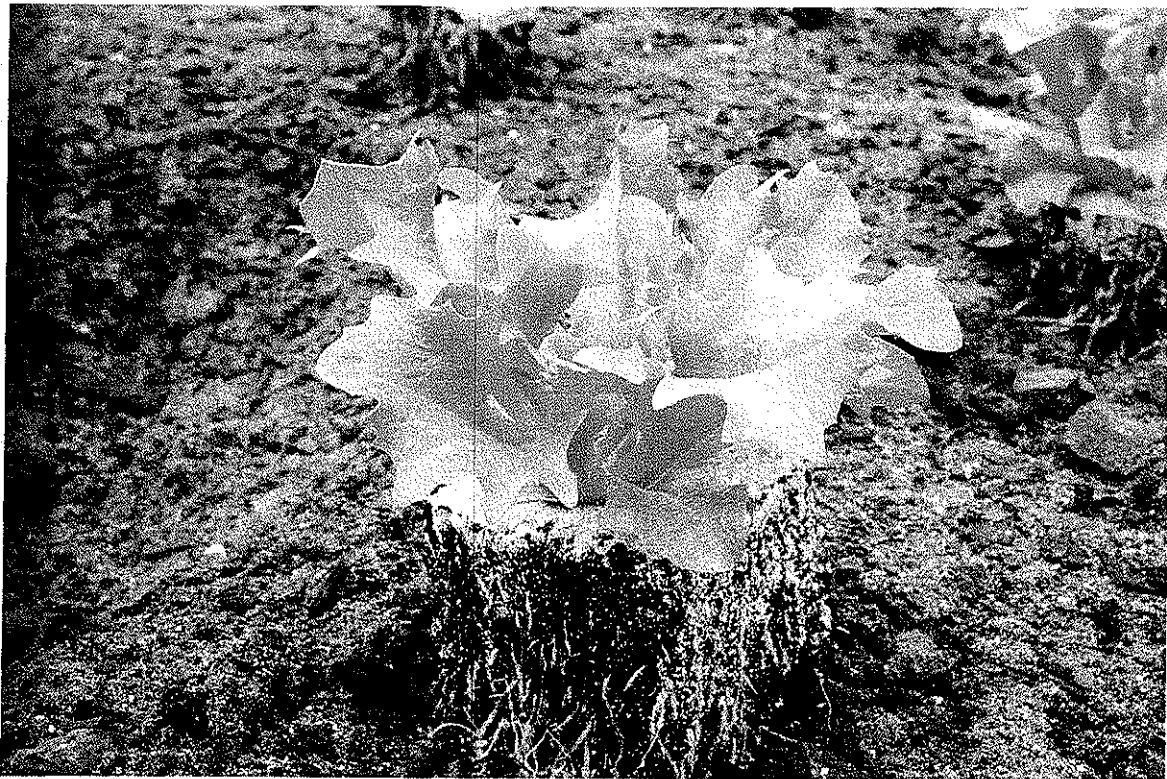
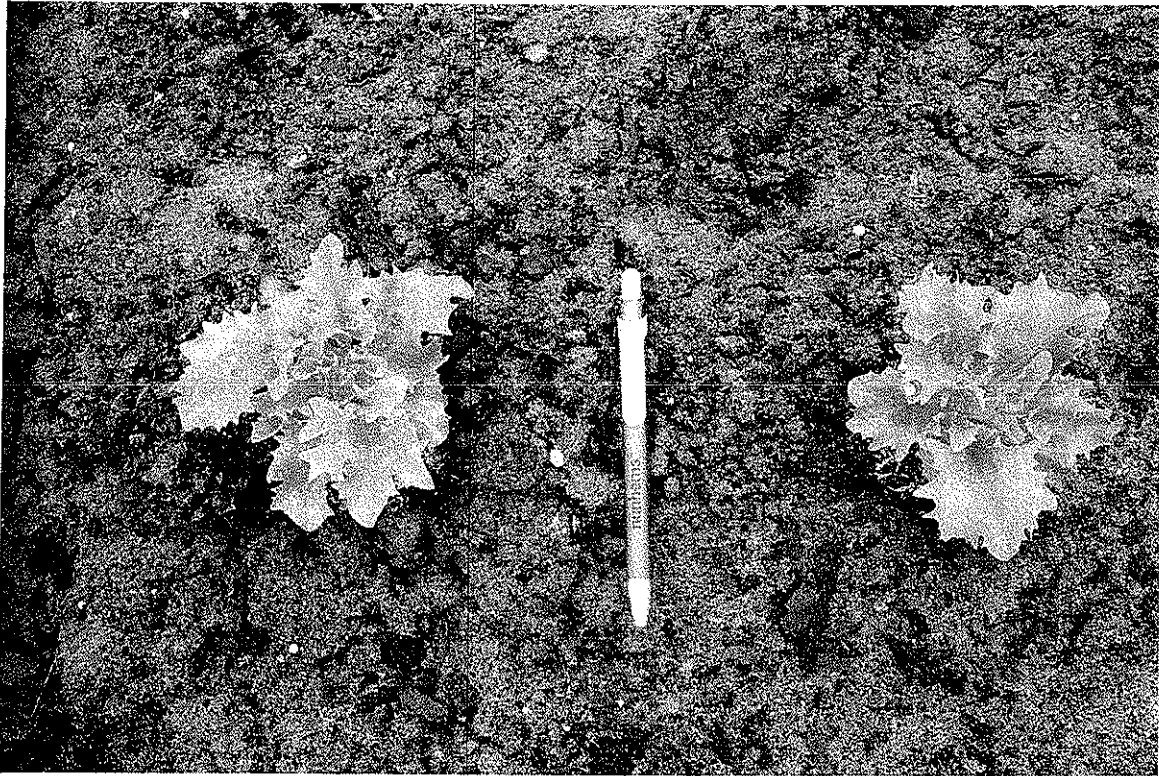
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Multy Fourth Leaf

Multy Mature Leaf





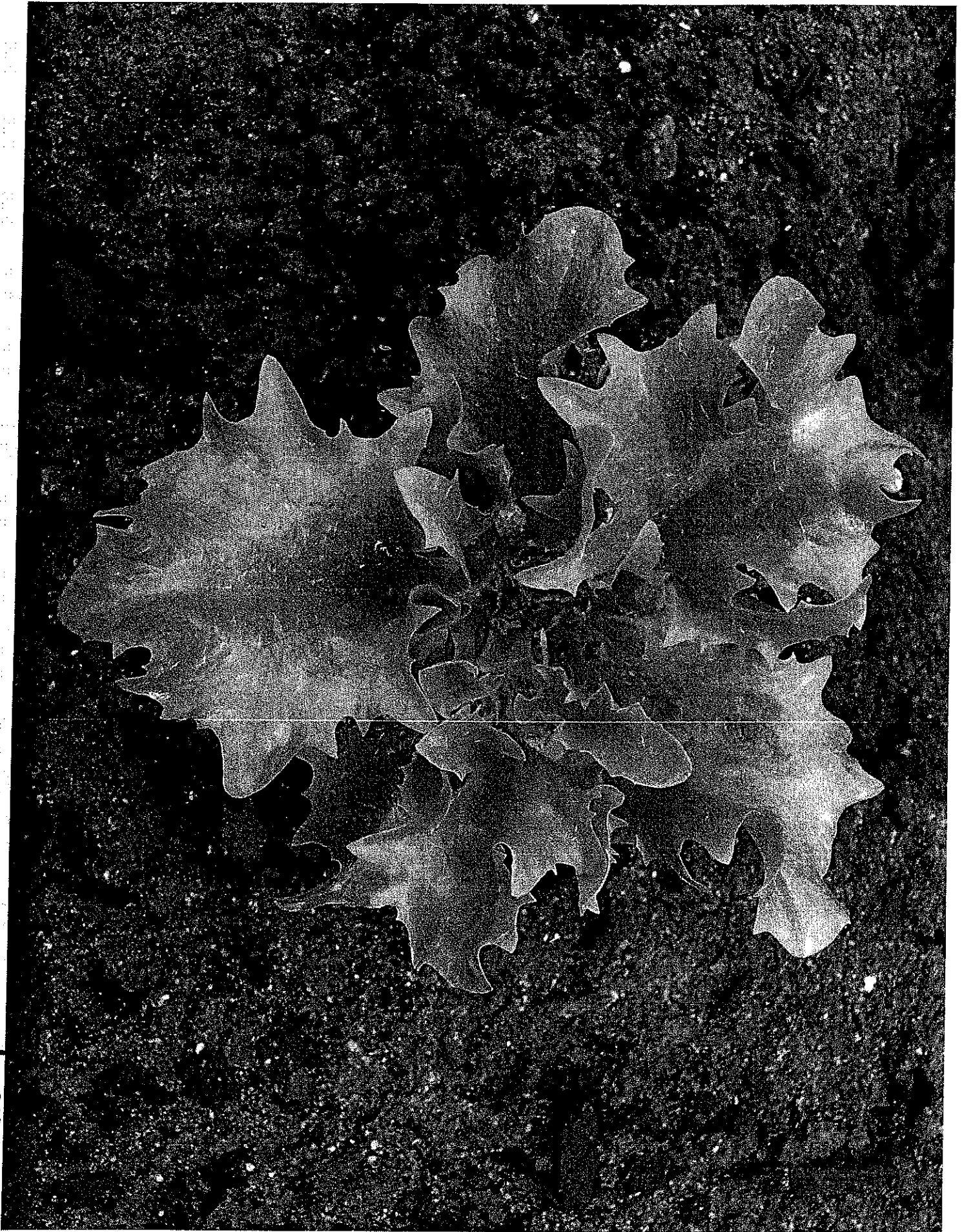
20 day old seedling

11200000000



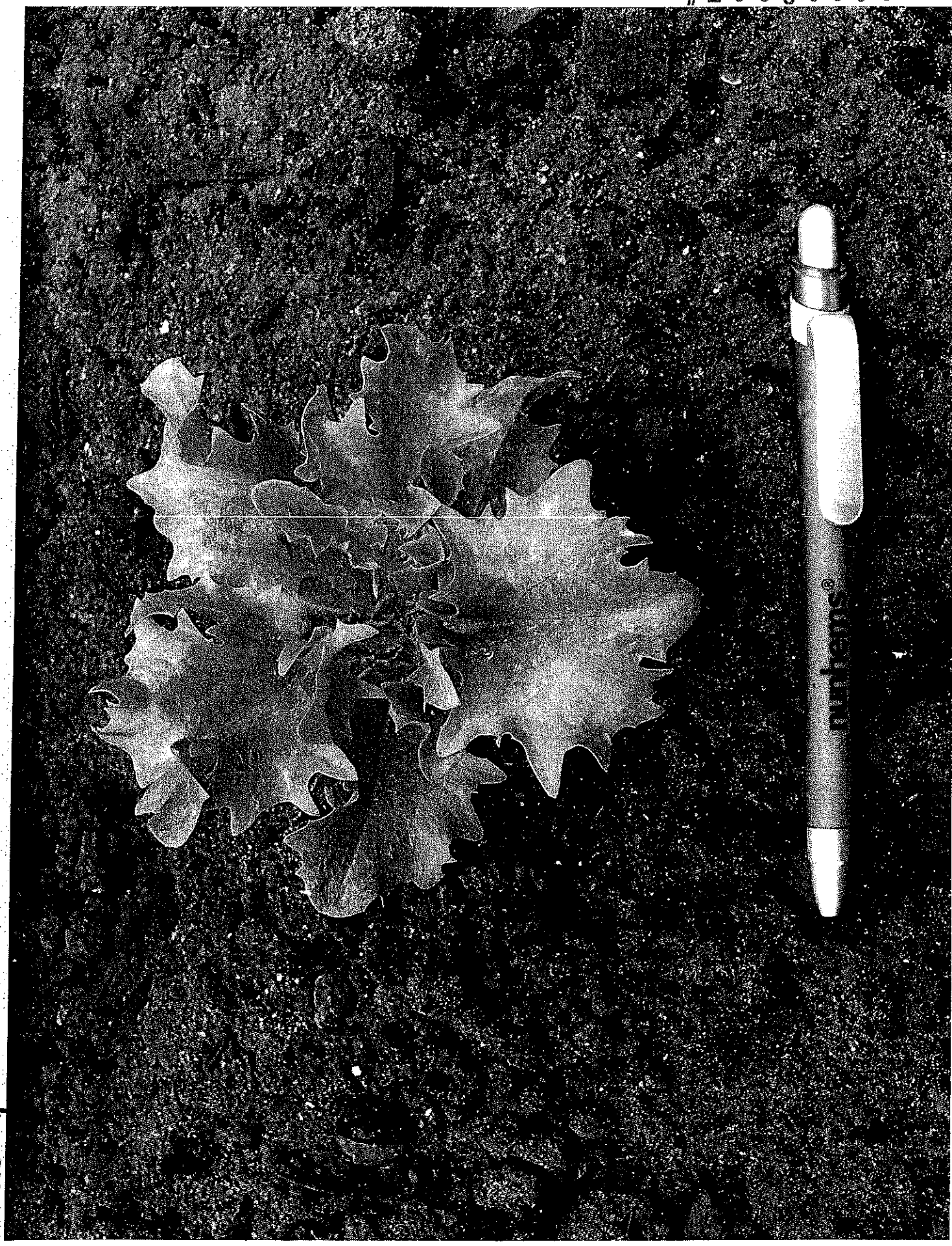


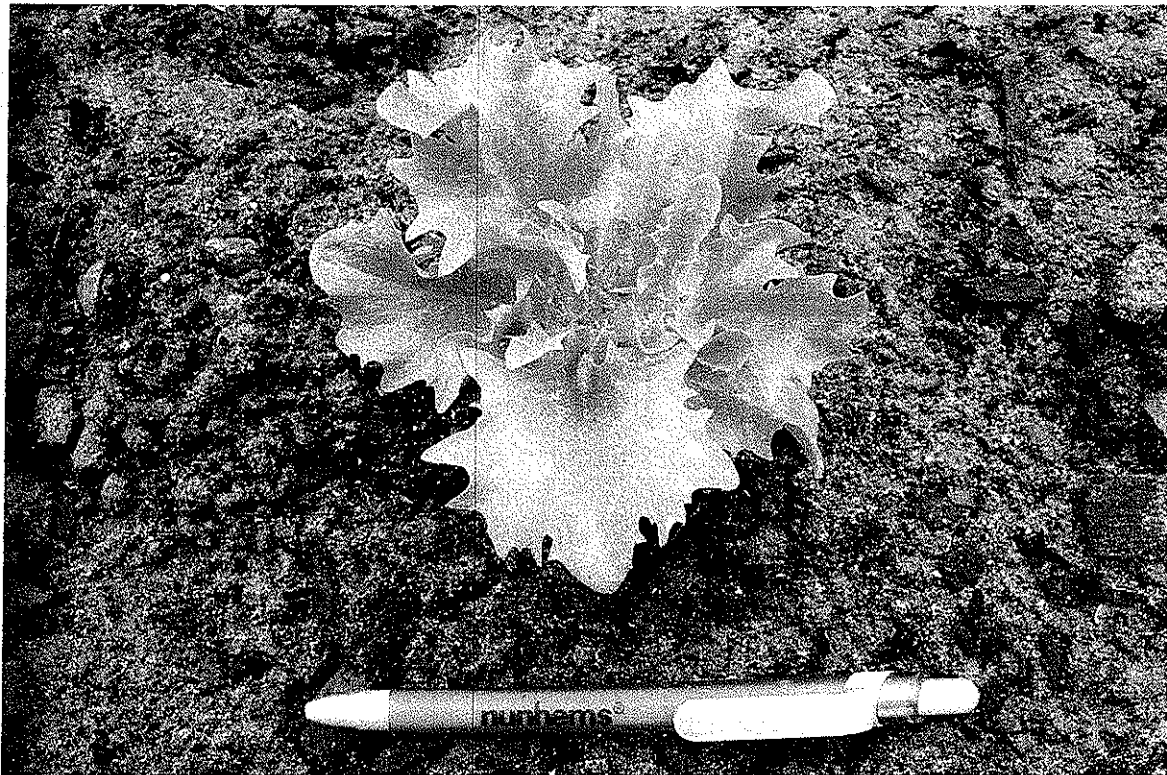
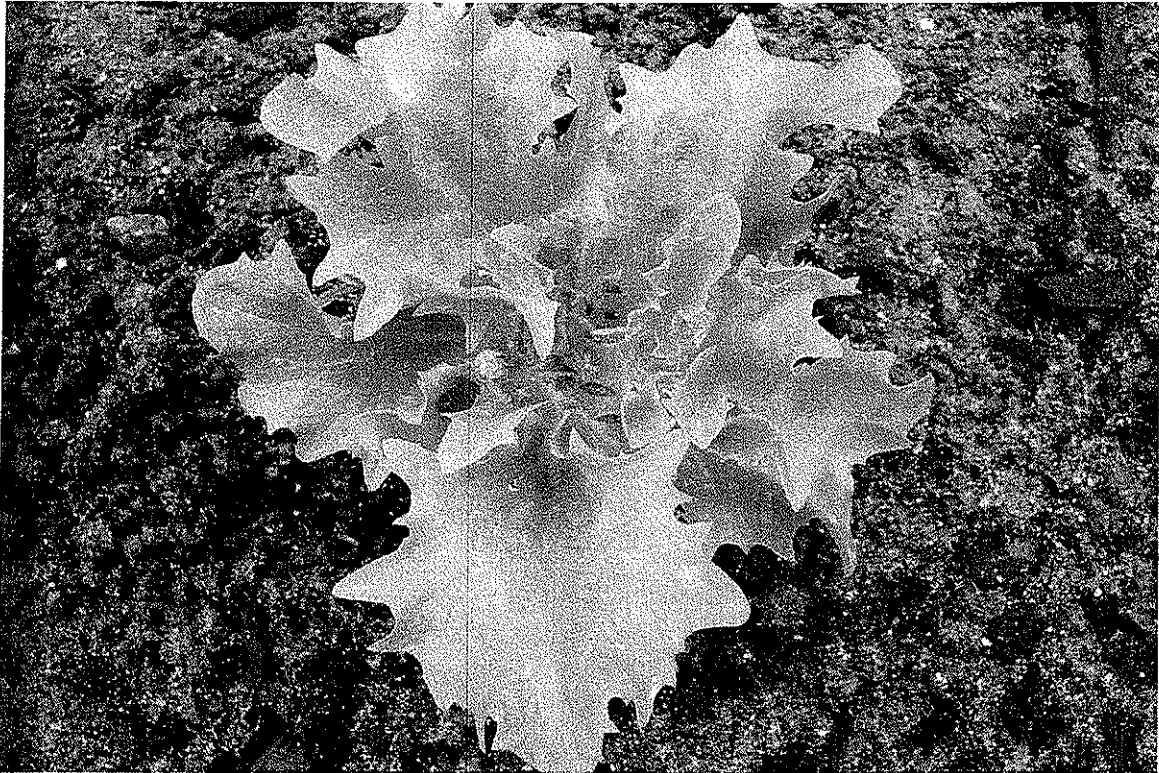
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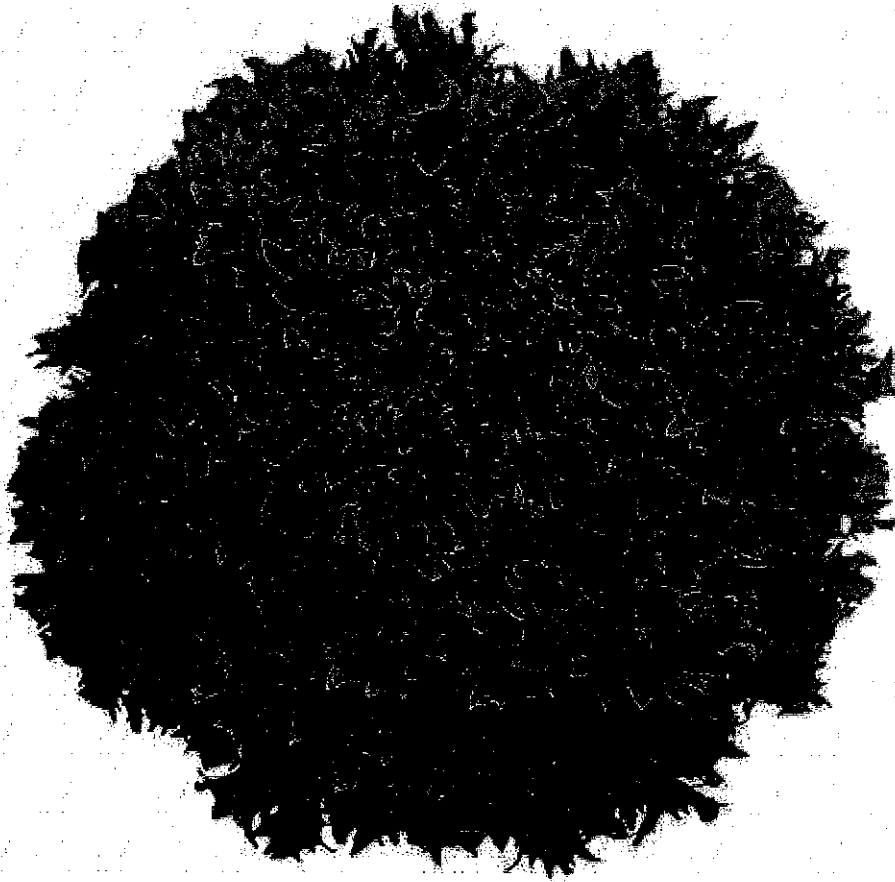
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20 day old seedling

200600057



Harvest mature head

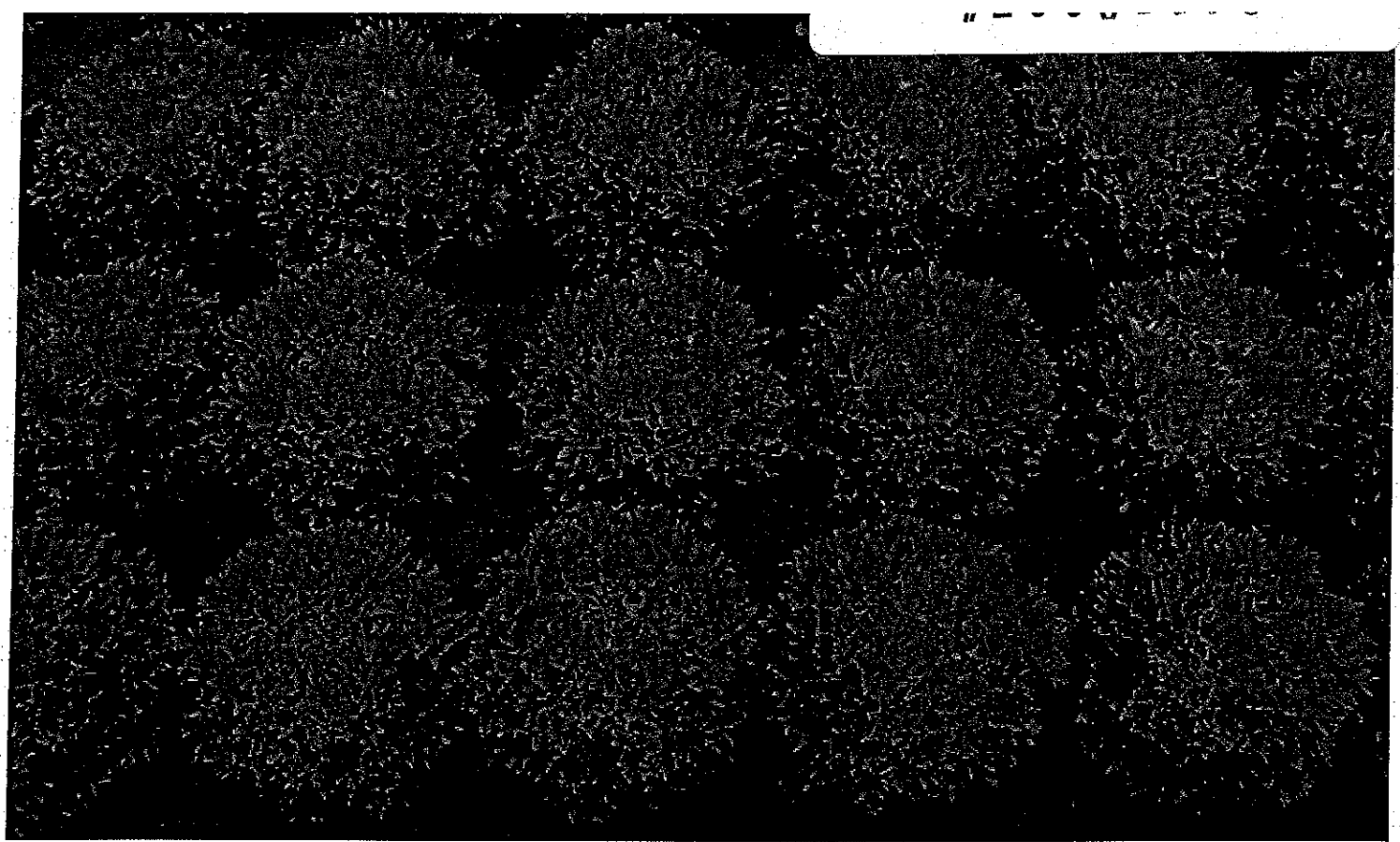
'Multy', PV# 200600057

200600057



Harvest mature head

'Multy', PV# 200600057



Harvest mature heads

'Multy', PV# 200600057

Nim 900511
100 T-
100 91111

#200600057

Z 974 +

mmv

#200600057

Z 970

+

IAKKH30117

#200600057

Tarragona

multi LT
Nun goos

2/26/98
2/26/98
2/26/98

#200600057

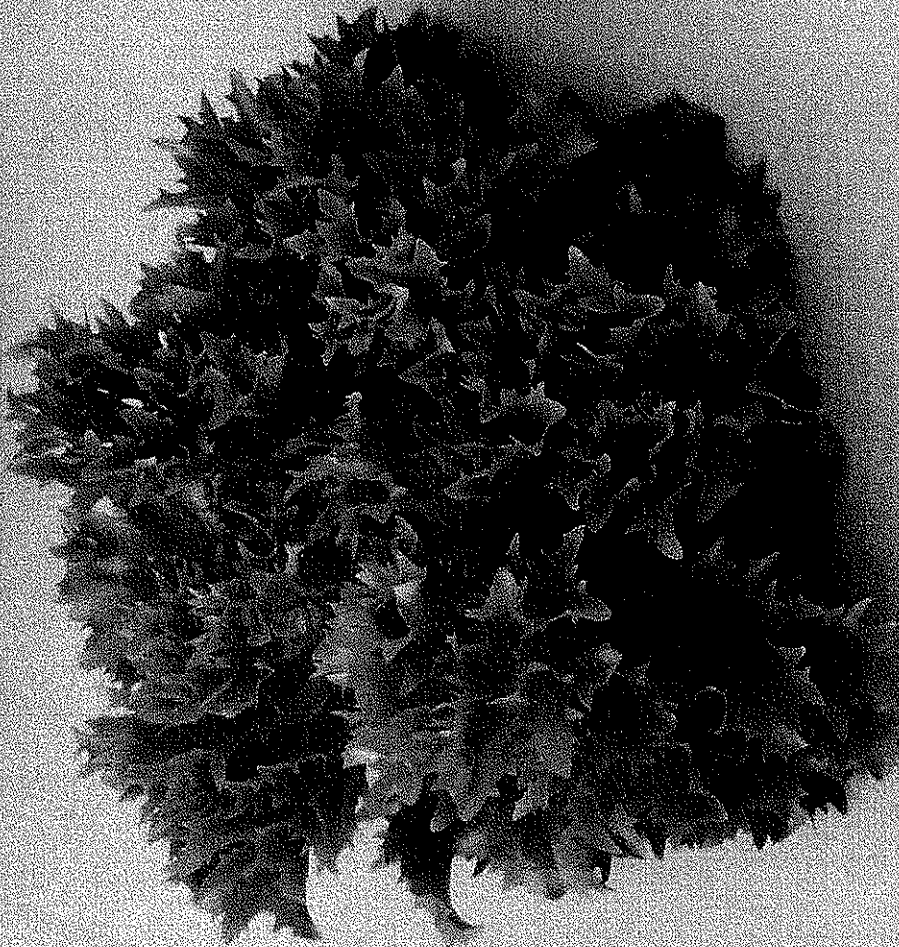
Tarragona

11/11/11
Nun goos LT

20/10/11
20/10/11



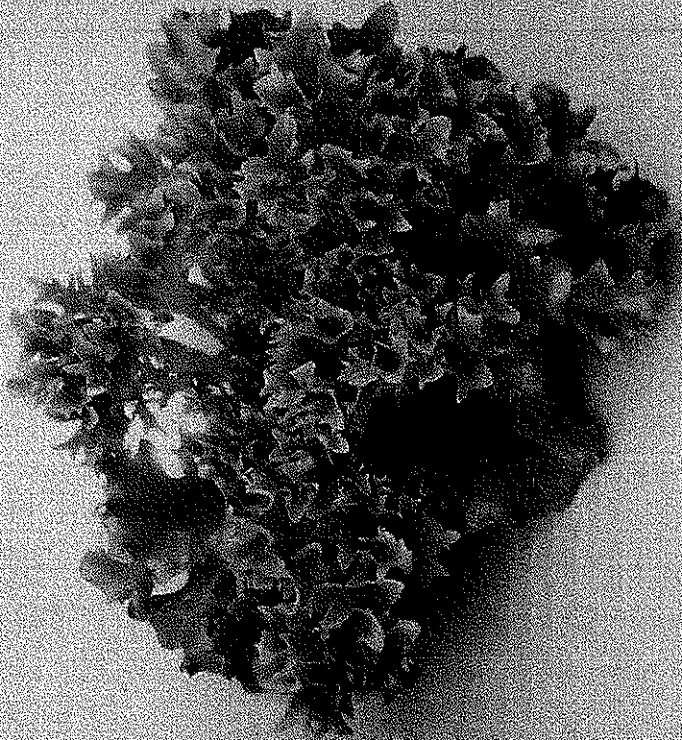
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Nun goes LT

MULTY

3/26/08



Tarragon

#200600057

Waldmans Green

Multi
Nun goos LT

1/18/80
1/20/80

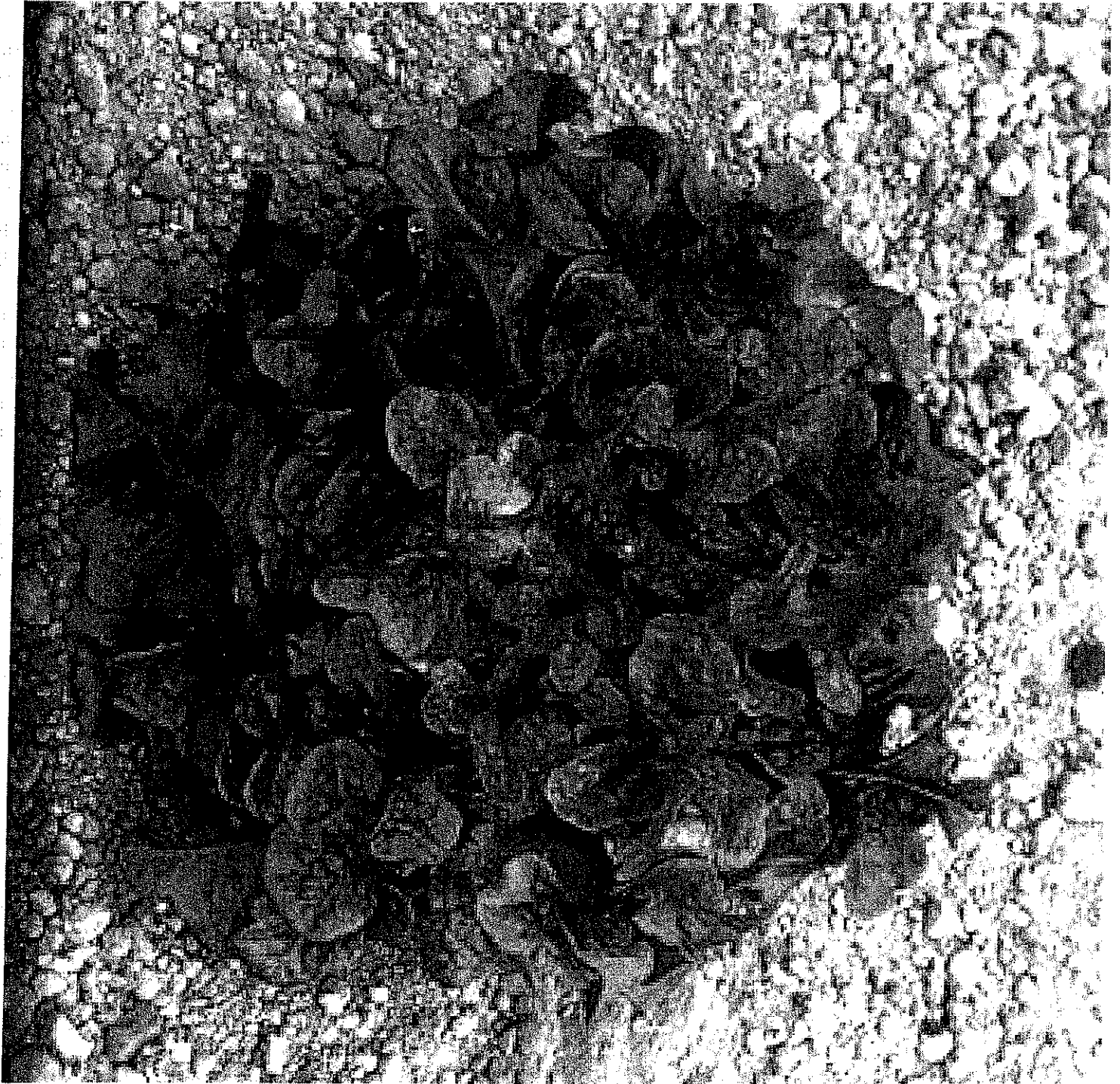
#200600057

Waldmanns Green

Mutt
Nun goes LT


80/192/c
add

MASERATI



Salad
bowl





NOVITA

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). The information is held confidential until the certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) Nunhems BV	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER Nun 9005 LT	2. VARIETY NAME MULTY
3. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) PO Box 4005 6080 AA Haelen The Netherlands	4. TELEPHONE (Include area code) +31475599222	5. FAX (Include area code) +31475599223
7. PVPO NUMBER 200600057		

8. Does the applicant own all rights to the variety? Mark an "X" in the appropriate block. If no, please explain. ☒ YES ☐ NO

9. Is the applicant (individual or company) a U.S. national or a U.S. based company? If no, give name of country. ☐ YES ☒ NO

The NETHERLANDS

10. Is the applicant the original owner? ☒ YES ☐ NO If no, please answer one of the following:

a. If the original rights to variety were owned by individual(s), is ☐ YES ☐ NO the original owner(s) a U.S. National(s)?
If no, give name of country

b. If the original rights to variety were owned by a company(ies), is ☐ YES ☐ NO (are) the original owner(s) a U.S. based company?
If no, give name of country

11. Additional explanation on ownership (Trace ownership from original breeder to current owner. Use the reverse for extra space if needed):

PLEASE NOTE:

Plant variety protection can only be afforded to the owners (not licensees) who meet the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed the final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definitions.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 0.1 hour per response, including the time for reviewing the instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

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To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

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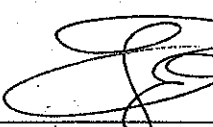
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**U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MD 20705**

**EXHIBIT F
DECLARATION REGARDING DEPOSIT**

NAME OF OWNER (S) Nunhems BV	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country) PO Box 4005, 6080 AA Haalen, the netherlands	TEMPORARY OR EXPERIMENTAL DESIGNATION Nun 9005 LT VARIETY NAME MULTY
NAME OF OWNER REPRESENTATIVE (S)	ADDRESS (Street and No. or RD No., City, State, and Zip Code and Country)	PVPO NUMBER 200600057

I do hereby declare that during the life of the certificate a viable sample of propagating material of the subject variety will be deposited, and replenished as needed periodically, in a public repository in the United States in accordance with the regulations established by the Plant Variety Protection Office.


 NUNHEMS B.V.
 P.O. Box 4005
 6080 AA HAELEN
 The Netherlands
 Signature

March 28, 2008

Date